## Accident / Incident Report Closed

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Unit/Department	Process Area		Site		Repor	Report Number			
South Operation-Elyria	General Catalys	st – Building	ELYRIA	-YRIA		0084-SOPS-16-0038			
Report Date	Incident Date		Incident T	Copie	Copied From				
03/02/2016	03/02/2016		02:00 AM	The second secon					
Incident Location		Team Lea	Repor	Reported By					
Trimer area building 5C	4		Douglas S	Stock	Rober	t Gavale	∍k		
Title of Event (Limit to 90 cha	rácters)		Category		A TOTAL STATE OF THE PARTY OF T	n / Bus. oup Code	22-0008-0010-01-20		
Solution leak from Stage #1 starting up unit.	rtly after	Safety  Enviro	CC / G	CC / G-CCP					
Incident Classification	2 1947 Direkton s year min Microsoft V				. 1				
Near Miss	Propert	ty Loss		Contractor			Chapter 200-by 155. St. annichmonto Schools C. Inchester		
Process Safety	Citation	1 / NOV		Contractor	Injury / Ilines:	s			
Injury / Illness	Health	Exposure		Contract In	jury / Illness				
Spill / Release	∐ Inspect	tion		∐ PSM					
Permit / Regulatory Deviati				Plant Upse					
Fire	Non-Oc	ccupational		EHS Mana	gement Syste	em Failur	е		
Odor Complaint	□ RMP			U Other					
Describe Event / What Happer	ned				·				
leaking from the stage 1 tow the seam on stage 1 tower (a dripped down around tank # Immediate Corrective Action o	few feet below th 1 and did not caus	e recirculation	n inlet, ever	with the 2nd I					
The Trimer was shut off imm tower.	ediately after hear	ring the poppi	ng sound a	nd seeing the	water leaking	from th	ne stage #1		
Immediate Cause			eniment o exercis						
We were unable to determin	e what caused the	rupture at the	seam which	h led to the lea	akina solutio	 n.			
Spill Release Type(s)									
Chemical(s) Involved	Non RQ Spill / Re	CAS#	l Dhu	State   Air	Land	Water	Contmt Units		
		1							
High pH process water with ca		N/A	Liqui	d   0 	0	0	41 lbs		
	Material captured	in sump and t	reated		<del></del>		r.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Weather Conditions	Skies:	Tempe	rature:	VVI	nd Direction:		Wind Speed:		
Cause Narrative							2 117 117 127 423		
It appears that the scrubber about 12 minutes. During this scrubber (except for any transcrubber towers have shown dead heading of the scrubbe caused solution to leak through the scrubber contributing Causes	s time the manual mp air that may be n some embrittlem or appears to have ugh the cracked lin	valves to the pulled in thro ent over time cracked the to	both RC 1 a ough the dr due to cher ower to the	and RC 4 were ops at the scru nical attack an	closed which bber tanks). d cycling of t	h dead h Most lik tempera	leaded the cely the tures. The		
The current startup procedure requirement to have air vented		111 - Procedur	es 130		136 - Incon	nplete/Si	tuation Not		

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the scrubber towers				Wrong/Incomplete	Covered				
		28 - Equipment Reliability Program Implementation LTA		36 - Predictive Maintenance LTA	38 - Montoring LTA				
duci und	ank was previously installed on the ve t This allowed the trimer scrubber to op er excessive vacuum, resulting in dam ower 1.	erate		nistrative/Mana ent Systems	72 - Safety/Hazard/Risk Review	74 - Review I	LTA or Not Pe	erforn	ned
Any known or potential off-site impacts? No			PSM Incident? No		Estimated Cost: 1,20		).00 USD		
Inve	stigation Team	Doug Zavo		tock; Terrence I	M Vanderbosch; Phill	ip Wright; Je	efferson Lew	ris; L	eon
lte m	Corrective Action(s) to prevent recurrence		Responsible Person		Target Date	Final Closed Date	VC Re q	VE Re q	
1	Modify calciner walk down sheets to add venting of calciners to the scrubber during startup of the scrubber			Jefferson Lewis	/NA/BASF	05/29/2016	05/27/2016	N	N
2	Remove the blank on vent air duct. Restore vent air system to service.			Terrence M Vanderbosch/B SF	ASF-CATALYSTS/BA	05/30/2016	05/27/2016	N	N
3	Develop a training 1-pager to review at the next safety meeting.			Jefferson Lewis	NA/BASF	04/15/2016	04/05/2016	N	N
4	Contact a 3rd party to design an appropriate vacuum-break system to eliminate manual operation of a slide gate on the 1st floor mezzanine.		Lee McClish/NA/BASF		08/31/2016	08/26/2016	N	N	

Approved By:	
Manager / Dept. Head	Leon Zavodnik 04/03/2016 09:38 AM
EHS Unit Coordinator	Tim Anglin 03/30/2016 03:35 PM
Safety & I.H.	Nancy Gallagher 04/04/2016 12:01 PM
Team Leader / Supervisor	Valerie Douglas 04/04/2016 04:19 PM
	Confidential
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